

DERWENT-ACC-NO: 2002-011611

DERWENT-WEEK: 200571

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TITLE: Technology for braiding composite material in
optical
fibre sensor and method for testing its
performance

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PRIORITY-DATA: 2001CN-108037 (January 11, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
CN 1303009 A	July 11, 2001	ZH
CN 1139797 C	February 25, 2004	ZH

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
CN 1303009A	N/A	2001CN-108037

APPL-DATE
January 11, 2001

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	B29C45/03	20060101
CIPS	G01N21/00	20060101

ABSTRACTED-PUB-NO: CN 1303009 A

BASIC-ABSTRACT:

NOVELTY - A technology for braiding optical-fibre sensor in the composite
braided material and a method for testing its property feature that a
resin-transfer moulding-formation process mould composed of top
cover, moulding
cavity and bottom is used to braid dot-type or distributed optical
fibre sensor
in the composite braided material; or braiding the optical fibre
sensor in one
layer of material or several layers of material. The technological

procedure
of braiding the composite material can be monitored and the
parameters of the
composite material can be tested, resulting in more correct and
reliable
analysis to mechanical performance and damage condition.

TITLE-TERMS: TECHNOLOGY BRAID COMPOSITE MATERIAL OPTICAL FIBRE SENSE
METHOD

TEST PERFORMANCE

DERWENT-CLASS: A89 S02 V07

CPI-CODES: A11-B11; A12-L03A; A12-L04B;

EPI-CODES: S02-J04A1A;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 2002-003025

Non-CPI Secondary Accession Numbers: 2002-009588